

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/016314

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ H01L33/00, H01L31/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ H01L33/00, H01L31/00-31/02, H01L31/08

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	JP 07-007184 A (Omron Corp.), 10 January, 1995 (10.01.95), Par. Nos. [0023] to [0033]; Figs. 1 to 9 (Family: none)	1 2-5, 7
Y	JP 2002-270859 A (Mitsui Chemicals, Inc.), 20 September, 2002 (20.09.02), Par. Nos. [0074] to [0098]; Figs. 1 to 19	1-5, 7
Y	JP 2000-294831 A (Omron Corp.), 20 October, 2000 (20.10.00), Par. Nos. [0059] to [0064], [0079] to [0084]; Figs. 7, 8, 13, 14 (Family: none)	1, 2

☒ Further documents are listed in the continuation of Box C.☐ See patent family annex.

* Special categories of cited documents:

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"P" document published prior to the international filing date but later than the priority date claimed

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&" document member of the same patent family

Date of the actual completion of the international search

28 January, 2005 (28.01.05)

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PCT/JP2004/016314

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 10-215001 A (Nichia Chemical Industries, Ltd.), 11 August, 1998 (11.08.98), Par. Nos. [0008], [0017] to [0021]; Figs. 1 to 3 (Family: none)	3-5
A	JP 2000-012910 A (Matsushita Electronics Corp.), 14 January, 2000 (14.01.00), Full text; Figs. 1 to 3 (Family: none)	1-9
A	JP 2002-246653 A (Toshiba Electronic Engineering Corp.), 30 August, 2002 (30.08.02), Par. Nos. [0037] to [0043]; Fig. 4 (Family: none)	1-9
A	JP 2003-168829 A (Matsushita Electric Works, Ltd.), 13 June, 2003 (13.06.03), Par. No. [0033]; Fig. 9 & JP 2002-319705 A & WO 2002/089221 A1 & US 2004/0012958 A1 & EP 1398839 A1	6

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